

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A vapor retarder for indoor sealing of buildings, especially roof structures, with at least one barrier layer retarding the passage of moisture vapor, especially water vapor, said barrier layer being formed from a material with moisture-adaptive water vapor diffusion resistance, said material changing its diffusion resistance as a function of ambient moisture, characterized by the fact that the vapor retarder has at least one electromagnetic-field-shielding layer (EMF layer) for shielding electromagnetic fields in the frequency range of mobile telephone networks, which is formed so as to be permeable to diffusion and which is in the form of an electrically conducting film and/or in the form of a magnetic-shielding film, or comprises a laminated, electrically conducting nonwoven, an especially bonded metal lattice or a vapor-deposited layer of electrically conducting substances each having a mesh size of 5 mm.

2. (Previously amended) The vapor retarder of claim 1, wherein the electromagnetic field shielding layer is connected to the barrier layer such that it is diffusion permeable.

3. (Previously amended) The vapor retarder of claim 1, wherein the fact that the electromagnetic field shielding layer is in the form of an electrically conducting layer and/or in the form of a magnetic shielding layer.

4. (Previously amended) The vapor retarder of claim 1, wherein the fact that the electromagnetic-field-shielding layer comprises a laminated, electrically conducting non woven, an especially bonded metal lattice, a printed layer of electrically conducting coatings, a vapor deposited layer of electrically conducting substances, a nonwoven doped with a μ -metal, a metal whisker layer or a vapor deposited layer of magnetically shielding substances.

5. (Previously amended) The vapor retarder of claim 1, wherein the electromagnetic field shielding layer is incorporated into the barrier layer, especially embedded into at least two barrier layers.

6. (Previously amended) The vapor retarder of claim 1, wherein the layer electromagnetic-field-shielding layer protrudes at least partially, especially at a side edge, beyond the barrier layer to connect with the adjacent vapor retarders.
7. (Previously amended) The vapor retarder of claim 1, wherein at least on one side provision is made in the edge region for apertures (6) that serve to make connection with adjacent vapor retarders, especially via incorporated adhesives..
8. (Previously amended) The vapor retarder of claim 1, wherein the vapor retarder further has at least one preferentially diffusion-permeable reinforcement and/or protective layer.
9. (Currently amended) The vapor retarder of claim 8[[1]], wherein the fact that the reinforcement or protective layer comprises a nonwoven based on polyethylene terephthalate (PET) or fiberglass.
10. (Previously amended) The vapor retarder of claim 1, wherein the fact that the layers are firmly connected to each other by an especially diffusion-permeable binder layer.
11. (Previously amended) The vapor retarder of claim 10, wherein the especially diffusion permeable binder layer is punctiform, network like or is a full surface layer of very low thickness.
12. (Previously amended) The vapor retarder of claim 1, wherein a polyethylene (PE) adhesive is intended as the binder for connecting the layers.
13. (Previously amended) The vapor retarder of claim 1, wherein the material of barrier layer with moisture regulating water vapor diffusion resistance has a water vapor diffusion resistance SD value of 2 to 5 m diffusion equivalent air layer thickness at a relative air humidity in the range of 30% to 50% in the atmosphere surrounding the vapor retarder and a water vapor

diffusion resistance SD value that is < 1 m diffusion equivalent air layer thickness at a relative air humidity in the range 60% to 80%.

14. (Previously amended) The vapor retarder of claim 1, wherein the vapor retarder and/or the individual layers, such as barrier layer, EMP-shielding layer and reinforcement or protective layer are formed as a film.

15. (Previously amended) The vapor retarder of claim 1, wherein the barrier layer is formed of polyamide 66, polyamide 6, polyamide 4 or polyamide 3.